

REMARKS

Claims 26-28 have been withdrawn, claim 29 has been cancelled without prejudice, claim 30 has been amended, and claims 31-39 have been added, leaving claims 26-28 and 30-39 pending in the application.

Applicants' remarks, below, are preceded by quotations of the related comments of the Examiner, in small, boldface type.

DETAILED ACTION

1. Applicant's election without traverse of Group II (claims 29-30) in Paper No. 8 is acknowledged.

Specification

2. Applicant is reminded of the proper language and format for an abstract of the disclosure.

The abstract should be in narrative form and generally limited to a single paragraph on a separate sheet within the range of 50 to 150 words. It is important that the abstract not exceed 150 words in length since the space provided for the abstract on the computer tape used by the printer is limited. The form and legal phraseology often used in patent claims, such as "means" and "said," should be avoided. The abstract should describe the disclosure sufficient to assist readers in deciding whether there is a need for consulting the full patent text for details.

The language should be clear and concise and should not repeat information given in the title. It should avoid using phrases which can be implied, such as, "The disclosure concerns," "The disclosure defined by this invention," "The disclosure describes," etc.

3. The abstract of the disclosure is objected to because the method claims are not selected in this application. Correction is required. See MPEP § 608.01(b).

The abstract has been amended to now include reference to the portion of the disclosure directed to the apparatus in addition to method for making it. Applicants respectfully disagree with the objection to the extent that it suggests the method should not be described in the abstract.

Claim Objections

4. Claims 29-30 are objected to because of the following informalities:
Claim 29, line 1, change "a circuit" to --a circuit package--.
Claim 30, line 3, change "the surface" to --a surface--.
Claim 30, line 6, change "a window in the ..." to --a window formed in the...--.

Appropriate correction is required.

Claim 29 has been cancelled without prejudice and claim 30 has been amended.

Claim Rejections – 35 USC §102

6. Claims 29-30 are rejected under 35 U.S.C. 102(b) as being anticipated by Vinciarelli et al. (U.S. Patent 5,526,234).
Regarding claim 30, Vinciarelli discloses an apparatus (11) as shown in figures 2-10 comprising:
an electronic device (substrate 69);
a protective conformal coating (50) on a surface of the electronic device containing conductive terminations (25); and
a window (27f) formed in the protective coating (50) to expose the conductive terminations (25).
Regarding claim 29, Vinciarelli discloses a circuit package (11) as shown in figures 2-10 comprising:
a circuit board (17);
an electronic device comprising:
a substrate (69),
a conductive termination pad (25) formed on the substrate,
an electronic component (chip 67-figure 9) mounted on the substrate and connected to the termination pad (see figures 9-10),
a protective coating (59-figure 4A) on the pad (25) and the electronic component (67), and
a window (27f-figure 4A) formed in the protective coating (50) to expose the conductive termination pad; and
a solder (51-figure 5B) connecting the termination pad (25) to the circuit board via the window.

Applicants respectfully disagree. Amended claim 30 requires, among other things, “an electronic device having a surface and a conductive termination *on the surface*; a protective, conformal coating on the surface of the electronic device; and a window formed in the protective coating to expose a portion of the conductive termination; wherein the *portion of the conductive termination is recessed in the conformal coating*.” The Vinciarelli patent does not teach or suggest these aspects of the claim.

Claim 30 requires “a conductive termination *on the surface*” of the electronic device. The rejection cites the electronic component 67 mounted to substrate 69 in Fig. 9 of the Vinciarelli patent as the claimed electronic device and also cites pin terminal 25 as the conductive termination. The pin terminal 25 is not on the surface of the electronic device 67, 69 and therefore fails to satisfy the claim. Claim 30 also specifies that “the *portion of the conductive termination is recessed in the conformal coating*.” The pin terminal 25 clearly is not recessed and therefore fails to satisfy this aspect of the claim.

Claim 30 is patentable for at least these reasons. All other dependent claims depend from independent claim 30 and are patentable for at least the same reasons discussed above. Applicant asks that all claims be allowed.

Applicant : Patrizio Vinciarelli et al.
Serial No. : 09/611,290
Filed : July 6, 2000
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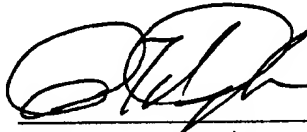
Attorney's Docket No.: 00614-092002

Applicants respectfully request consideration of the references identified in the July 6, 2000 Information Disclosure Statement filed with the present application and return of the initialed form 1449 to the undersigned attorney. The examiner is urged to call the undersigned attorney if copies of any of the references are required.

Enclosed is a \$410.00 check for the Petition for Two Month Extension of Time fee.
Please apply any other charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: February 13, 2003



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